

PAID LOCAL ADS

MORE EGGS 1/4 Brown Leghorn that won first prize at County Fair. Eggs for hatching in season. Harvey Bean, New Plymouth, Idaho. 1*

Hemstitching and plaiting, Anderson & Carlton, 4 blocks west of the Moore Hotel. Your patronage appreciated. Phone 90J. 2*

FOR RENT—Two light housekeeping rooms with bath; also garage. Mrs. Geo. Gilham, phone 39W. 2t

BED ROOM FOR RENT—Modern conveniences and close in. Inquire Western Union office. *

FOR RENT—Five room house with bath. \$25 per month. Inquire 43 W.

WANTED—Another good ranch on which to grow potatoes. Advise C. F. (Potato) Smith, Huston, Ida. Phone 490-R. S. 45 2t.

The Episcopal Guild will meet at the home of Mrs. W. W. Wood on Thursday, October 12th.

FOR RENT—Room in a modern house. Inquire at this office. 45 2e*

All those having rooms that teachers may rent during Institute Oct. 9, 10, and 11, phone Turner's Music Store.—Committee.

WANTED—Woman or girl to assist with general housework. Mrs. O. G. Luehrs.

Fresh Cow for sale. Call 203M.

Piles PERMANENT RELIEF
Legal Guarantee Given.
No need of Knife—no pain—continue work. Ask to see Gle-onis Pile Treatment.
ONTARIO PHARMACY

REWARD
I will pay Fifty Dollars to anyone who will return my old saddle horse, 25 years old, and a pet. Taken from the Ed. Hulery pasture about July 7th.
D. C. Booth,
23 North First West,
Salt Lake City, Utah

Increased Tractor Power.
A new attachment designed to give the small tractor greater bearing area and increased pulling power, replaces the round wheels with two large sprockets, according to an illustrated article in Popular Mechanics Magazine. Outside of each sprocket is a cast-steel arm which projects forward and downward, carrying at its front end a smaller idler wheel. A track tread passes around the sprocket and idler wheel, giving the tractor increased bearing area.

Lightest of Liquids.
Many experiments here and abroad have shown that liquid hydrogen is by far the lightest of all known liquids. Its density is one-fourteenth that of water, and, curiously enough, this happens to be the same ratio of density that hydrogen in the gaseous state bears to air. For long the lightest liquid known was liquid marsh gas, which possesses about two-fifths of the density of water.—Washington Star.

Darwinian.
"Why did Percy van Duhb give up trying to trace his ancestry?"
"He said that the farther back he went the harder it was, until at last he found himself completely up a tree."

FARM ADVISER AIDS GROWERS



Hardy W. Campbell, Farm Adviser for the Southern Pacific Company, and grain showing the efficacy of the principles of tillage he advocates. Above, at right, the four heads in the center were grown according to Campbell's plan; the other two by the ordinary method.

Principles of Tillage to Increase Yields Explained by S. P. Farm Adviser.

The same principles of tillage, in preparation of land for crops and subsequent cultivation, which have proven so successful in raising grain crops on Western semi-arid lands without irrigation, are proving successful for crops raised under irrigation and for orchards and vineyards, according to Hardy W. Campbell, Farm Adviser for the Southern Pacific Company. Campbell has inspected this season a number of new orchards and vineyards in California, Oregon, Nevada, Arizona, and New Mexico.

Campbell is the man who evolved what is now called the "Campbell System of Dry Farming." Campbell, however, objects to the word "dry" and insists that the principles used in his present plan apply to all kinds of farming, with or without irrigation, as well as under a much lower rainfall than even now is commonly conceded necessary for successful crops. Campbell emphasizes the importance of proper preparation of the seed-bed and sufficient intelligent cultivation afterwards.

Campbell saw here in connection with his general observations shows that the real advantage of careful preparation of the soil before setting is sometimes, but not generally, fully considered and appreciated.

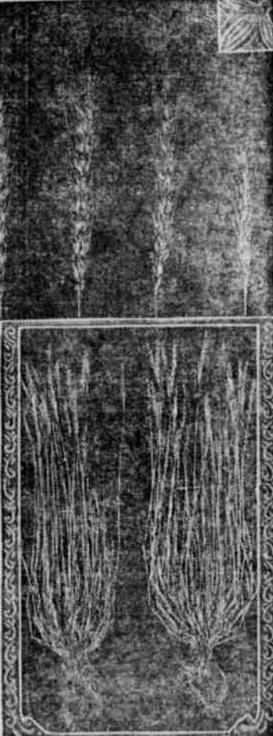
"It is very important to first prepare the surface by leveling," says Campbell. "Then arrange for irrigating in such a manner that water may not only be evenly applied over the whole surface but in as short a time as possible. In other words establish an even surface with reasonably short laterals. Too much water in the soil beneath some trees or too little for others is detrimental, usually. Again, the lower places, especially in heavy soils, gather more water, keeping the surface wet longer and frequently delaying timely cultivation, and not infrequently causing the higher spots to lose much of its already short supply. When the trees or vines reach the bearing period, the profit is increased or decreased in both quantity and quality of the crop. Both of these results are governed by the amount of fertility resulting from soil condition in which the per cent of moisture and air carried therein, especially during the warmer weather, is a big factor. The ability to supply this desired moisture in proper quantities the entire season through each year, is the first consideration.

"The next question is the perfect root bed. This should be supplied liberally with available plant food evenly distributed, so that when the trees or vines are set, there is a condition so favorable that not only the weaker sets may quickly take root and grow vigorously, instead of withering and dying, but a healthy, uniform growth may be obtained the first year, which means much to the early and annual fruitage of the trees or vines.

"To achieve this result, after leveling, the field should be cultivated practically an entire season before setting to trees or vines, with only sufficient irrigation to assist in establishing the ideal root bed which should be both fine and fairly firm from the very start. The object is to continually carry the proper quantity of both air and water through the heated part of the season. Under this condition, with the high percentage of moisture held at the top of the firm soil, through careful and timely cultivation, there will be a liberal development and growth of that most desirable soil bacteria. This procedure increases the much needed plant food more evenly in all parts of the field, before setting, than can possibly be developed after setting. This gives an advantage not otherwise obtainable.

"Much can be said of irrigation and cultivation after setting, but to be brief, care should be taken not to over-irrigate, for to obtain the best results, the soil in and about the root zone must be moist but not wet. When the soil is saturated there is practically no healthy growth. As a rule cultivation is not only insufficiently frequent but too often is so untimely as to be of little value.

"There are certain conditions of moisture in the soil following irrigation, the same as following a rain, when the high value of cultivation to the final crop is very much greater. These conditions



must be considered. Nothing can prove this more convincingly than the soil auger.

"It is very desirable, so far as possible, to not only carry the high percentage of moisture at the top of the firm soil, immediately below the mulch, but also to induce free access of air throughout the entire growing season. The ideal condition to furnish this air is to cover the firm soil with a granular mulch, neither too fine nor too coarse. To obtain this ideal mulch, the cultivation must be done when the soil is moist—not wet or dry. The loosened soil soon dries, leaving the firm soil moist to the top. This is usually easy to obtain in sandy soils, but to do this properly in heavy soils it is sometimes necessary to go over the field a second time, after first going over just enough to loosen the top when the surface is simply dry enough not to stick. This prevents the crusting or drying out. Then the second operation should come one to four days later, after the free water has gone down, leaving the soil moist, when it more readily separates, and makes a finer and much more effective mulch. This procedure means much to the tree, as a higher percentage of moisture is held in the root zone and a crusting and cloddy mulch is prevented.

"The high value of this plan of preparation and one season's cultivation before the setting of the trees or vines, is borne out by the interesting results obtained from careful summer tilling for wheat, oats and barley, and the preciseness of time in doing this work is just as vital. There are numerous records of large yields of wheat as high as 40 to 50 bushels per acre, grown on correctly summer tilled land, where nearby fields, prepared and sowed under the more common plan of 'any old way,' yielded very poorly or nothing at all."

The Southern Pacific Land Department "Bulletin No. 10" deals quite explicitly with questions of increased fertility by tillage. Bulletin No. 12 also explains in detail the summer tilling question as applied to the coast country. One or both may be obtained without cost by letter or personal application to Hardy W. Campbell, 951 Southern Pacific Building, San Francisco. A Bulletin is now under way dealing with tillage and irrigation of orchards and vineyards.

Campbell's greatest pleasure is to visit a farm or ranch where the proprietor or manager feels he is not getting satisfactory returns and work out, as far as possible, a practical remedy. The Southern Pacific follows the theory that its interests are tied up with the territory it serves, and Campbell and the Company wish to be helpful in increasing agricultural productivity.

ONTARIO OREGON TEACHERS' WEEK AT BOYERS'

A remarkably Large Collection of

FALL APPAREL

Ready for your selection... Tailored Suits of Poiret, Twill and Tricotine.

\$24.75 to \$49.50

OUR DRESSES

Include both cloth and Silk... There are so many pleasing styles that choosing will be a pleasure. Moderately priced—

\$14.75 to \$49.50

COATS

In all the beautiful new fabrics, tailored and dressy models, braided and fur trimmed at whatever price you wish to pay.

\$19.75 to \$75.00

WAISTS

In tailored and over Blouses.

\$5.00 to \$15.00

During Teacher's week Particular Attention will be devoted to outfitting the teachers who are attending the Institute, as well as those who reside in Ontario. You will find many departments in our store amply prepared to be of service to you in helping you to assemble your Fall and Winter Wardrobe, and to furnish the things you will want to make your living quarters more attractive. Much new merchandise of interest to teachers will be exploited during the week. Come and inspect the various displays assembled, and see how well we are prepared to supply your wants. . . . Make our store your shopping headquarters. Our many conveniences will contribute to your comfort while you are in Ontario.

A Large comfortable Rest Room... Free telephone. Parcels checked Free.

Sale of Corsets

Our stock of Gossard Corsets is especially complete, and it would be a pleasure for us to fit you.

Bloomers & Princess Slips

Satin, Jersey, Pongee, Sateen and Nainsook.

NIGHT GOWNS

Pink and white in Silk and Batiste... Beautifully made, long and short sleeves.

Bath Robes and Slippers

Just the thing to rest in after a hard day's work. Specially priced for Teachers' Week.

Smart New Hosiery

silk and wool and lisle in black, brown and heather.

50c to \$3.50

FIRST NATIONAL BANK

CONDENSED REPORT OF

OF ONTARIO, OREGON

As Made to the Comptroller of Currency at the Close of Business Sept. 15th 1922

RESOURCES	LIABILITIES
Loans and Discounts\$378,572.07	Capital \$50,000.00
Overdrafts 321.60	Surplus and Profits 53,684.74
Bonds and Warrants 60,459.07	Circulation 11,900.00
Bank, House and Fixtures 39,147.36	Re-discounts NONE
Other Real Estate 18,160.18	Bills Payable NONE
CASH 117,784.72	DEPOSITS 498,860.20
\$614,445.00	\$614,445.00

"THE OLD RELIABLE"
CASH RESERVE OVER 30%
NO BORROWED MONEY

CONGREGATIONAL CHURCH
Sunday school at 10 a. m.
Preaching service at 11 a. m.
C. E. at 7 p. m.
Evening service at 8 p. m.
Rev. D. D. Reese, pastor.

U. P. CHURCH
Sabbath school at 10 a. m.
Morning Worship at 11 a. m.
One week from next Sabbath, Oct 15th, Dr. R. Hutchinson, our Home Missionary will be with us. No one can afford to miss this opportunity to hear Dr. Hutchinson.
Rev. F. E. Springer, pastor.

NOTICE TO CONTRACTORS
Sealed bids for the construction of 250 feet of 6 feet concrete sidewalk with 6 inch curbs on curb lines on east side of block 24 will be received and opened at the meeting of the Common Council of the City of Ontario, on October 9th at 7:30 P. M.
By order of Common Council.
CLAY M. STEARNS,
City Recorder.

CARD OF THANKS
To the many friends and neighbors whose kindness and sympathy has been a source of comfort during our sorrow in the death of our

beloved wife and daughter, Mrs. Amy Odell Stingle, desire by this means to express our heartfelt appreciation. Especially do we desire to acknowledge the thoughtful kindness of the school children of Nyasa.

Guy Stingle,
Mr. and Mrs. Robert Odell and family.

NOTICE OF DRAINAGE DISTRICT ELECTION

NOTICE IS HEREBY GIVEN, that a meeting of the owners of land situated in the Valley View Drainage District, Malheur County, Oregon, will be held at the Valley View School House on Monday October 12, 1922, at the hour of 2 o'clock p. m., for the purpose of electing one supervisor for said district, for a term of three years, and to conduct such other business as may come before said meeting.

By order of the board of Supervisor of the Valley View Drainage District this 11th day of Sept., 1922.
E. C. INGRAHAM,
President
W. J. SHAFFER,
Secretary

STATE FAIR NOTES
At the State Fair at Salem, Sept. 25 to 30 inclusive, the Malheur county Boys' and Girls' club booth won fourth prize on artistic booth

in competition against the other counties represented there.

There were fifteen entries of corn in the club booth. Five prizes only were given for corn and we played "Pig" by taking all five prizes. In placing the corn by the judge we won the first seven places. The boys winning were as follows: First, Ted Barrett of Upper Big Bend; 2nd, Elmer Parker of Lower Big Bend; 3rd, Bobby Barrett of Upper Big Bend; 4th, Iraa Brumbach of Lower Big Bend; 5th, Gerritt Muntzger of Lower Big Bend. First prize is a trip to the Oregon Agricultural college and a membership in the Boys' and Girls' Summer School in 1923, with all expenses paid for two weeks provided by Portland Implement and Tractor Association, by H. M. Mercer, secretary. 2nd prize is \$5; 3rd prize \$4; 4th prize \$3; 5th prize \$2.

In sewing, Div. 1, Doris Lees of Brogan won second prize of \$5.

In sewing, Div. 2, Violet Lees of Brogan won the first prize which is a trip to the Boys' and Girls' Summer School at Corvallis, in June, 1923, with all expenses paid by the Meirer and Frank company, Department Store, Portland, Oregon.